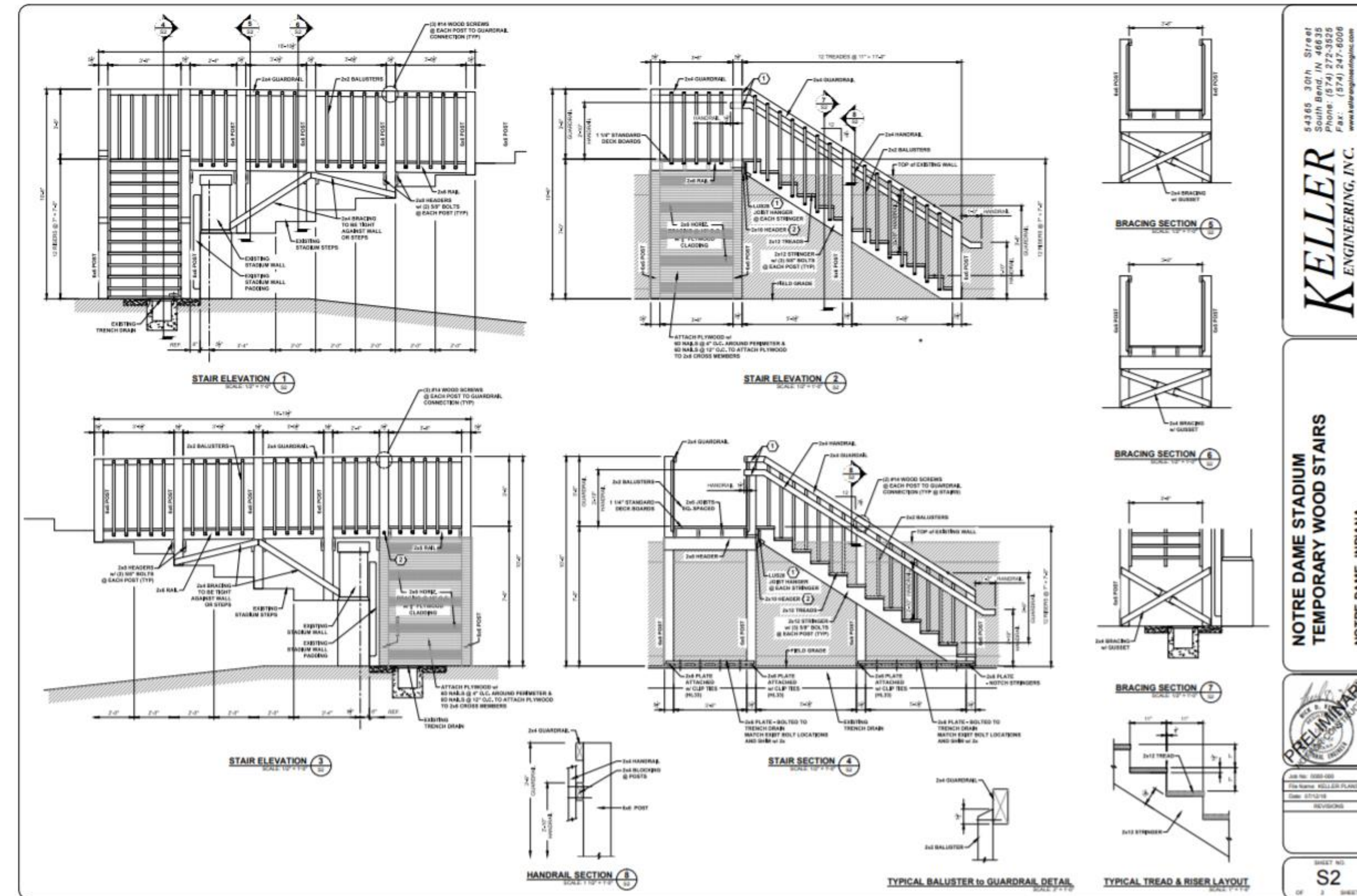


Structural Design at Notre Dame

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Description of my Project

This past summer I interned for Keller Engineering Inc., a small structural engineering company located in South Bend, Indiana. During my time at this company, I applied programs such as RISA and EnerCalc to analyze, model, and design structural building systems. Furthermore, I collaborated with clients and architects to develop efficient and economically viable solutions to problems we were presented with. My main project was designing the structure and connections of temporary stairs to be installed in the Notre Dame Stadium for a Garth Brooks concert to serve as more forms of egress.



What motivated me to select this project?

- Experience: As an engineer, experience is one of the most valuable qualifications a student can have when applying for future internships and eventually full-time jobs.
- Financial Considerations: Most of the other projects in STEP required funds to participate in, but I use the summer to have funds for the school year.
- Developing a Professional Network: I worked with multiple engineers and architects this summer which allowed me to form relationships that I otherwise would not have.

What were the best parts of your experience?

The best part of this experience was the uncertainty of it. I knew what my responsibilities at my internship would be but I wasn't 100% sure of what I would be doing in my free time.

- I learned about what I do and don't like for a career.
- The flexibility of this internship allowed me to have a really fun summer even though I was working 40 hours a week.
- I was one of the only interns, but all the full-time employees were super inclusive and invited me to do things with them.

What was transformational about my project?

This experience was extremely transformational because it paved the way for so many other opportunities in the future and helped me make decisions on important issues.

- This experience further developed my knowledge of this engineering discipline.
- I learned there are many specifications within civil engineering such as transportation, water resourcing, structural, etc. so I have a lot to choose from based on my interests.
- After my experience this past summer, I have concluded that I don't want to work at a small company and pointed me in a more environmental direction of civil engineering.
- I want to obtain my professional engineer license and possibly my MBA so I have the option to go into management if I desire.

